



CONSTRUCTION EQUIPMENT

SWA380620-10 VOLVO EC480EL 311170 - REAR RIGHT FINAL DRIVE



Sample No: VCP409081
Oil Type: VOLVO PREMIUM GEAR OIL 80W-90 GL-5
Job No: SWA380620-10



SAMPLE INFORMATION

Sample Number	VCP409081	---	---	---
Sample Date	12 Oct 2023	---	---	---
Machine Hours	3543	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	SEVERE	---	---	---

SARGENT DOCKS

5606 N WESTERVELT RD
 SAGINAW, MI
 US 48604
 Contact: JC NUDDÉ
 JCNUDDÉ@SARGENTDOCKS.COM
 T: (989)752-3101
 F:



OIL CONDITION

Visc @ 40°C	cSt	■ 222	---	---	---
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CONTAMINATION

Silicon	ppm	● 2489	---	---	---
Sodium	ppm	■ 70	---	---	---
Potassium	ppm	■ 173	---	---	---

Diagnosis

We advise that you check all areas where dirt can enter the system. The oil change at the time of sampling has been noted. We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition. Gear wear is indicated. Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress. The oil is no longer serviceable due to the presence of contaminants.



WEAR METALS

Iron	ppm	● 6991	---	---	---
Copper	ppm	■ 15	---	---	---
Lead	ppm	■ <1	---	---	---
Tin	ppm	■ 2	---	---	---
Aluminum	ppm	● 357	---	---	---
Chromium	ppm	● 72	---	---	---
Molybdenum	ppm	■ 9	---	---	---
Nickel	ppm	▲ 13	---	---	---
Titanium	ppm	■ 19	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	■ 55	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	■ 627	---	---	---
Magnesium	ppm	■ 182	---	---	---
Zinc	ppm	■ 46	---	---	---
Phosphorus	ppm	■ 1288	---	---	---
Barium	ppm	■ 0	---	---	---
Boron	ppm	■ 164	---	---	---

Depot: SARSAG
Unique No: 10714518
Signed: Sean Felton
Report Date: 31 Oct 2023



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GRAPHS

